## IN THE CLAIMS:

1	1.	(Currently amended) A method for manufacturing a magnetic structure on a
2		magnetic write head, comprising:
3		constructing a photoresist layer having a trench, the trench being formed with a
4		flared portion near the top of the trench;
5		depositing a magnetic material into the trench;
6		removing the photoresist layer;
7		depositing a dielectric material;
8		first performing a chemical mechanical polish to remove a portion of said
9		dielectric material;
10		then, after performing a chemical mechanical polish to remove a portion of said
11		dielectric material, performing a reactive ion mill procedure to remove a
12		further portion of the dielectric material the reactive ion mill being
13		performed sufficiently to expose said magnetic material, the ion milling
14		being performed in a chemistry to preferentially remove the dielectric
15		material, leaving the magnetic material relatively unaffected.

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(Original) A method as in claim 1 further comprising forming a magnetic

pole structure over the exposed magnetic material.

- 1 3. (Original) A method as in claim 1 wherein said constructing a photoresist 2 trench further comprises: depositing photoresist; and 3 performing a deep ultraviolet photolithography on the photoresist. 4 1 4. (Original) A method as in claim 1, wherein said depositing said magnetic 2 material comprises electroplating. 1 5. (Original) A method as in claim 1, wherein said depositing said magnetic material comprises electroplating said magnetic material, and terminating said 2 3 electroplating before said magnetic material reaches an upper opening in said
- (Original) A method as in claim 1, wherein said trench includes a flared portion,
   and wherein said depositing said magnetic material comprises electroplating said
   magnetic material, and terminating said electroplating before said magnetic
   material reaches said flared portion formed in said trench.

trench formed in said photoresist layer.

- 7 (Original) A method as in claim 1, wherein said magnetic material comprises
  NiFe.
- 8. (Original) A method as in claim 2, wherein said magnetic pole structure
   comprises NiFe.

1 9. (Previously presented) A method as in claim 1, wherein said reactive ion milling 2 procedure forms a recession of between 0 and 0.3 microns between said magnetic 3 structure and an upper surface of said alumina. 10. (Original) A method as in claim 1 wherein said magnetic structure has a width 1 2 sigma of less than 10 nanometers. 11. (Cancelled) 1 12. } (Original) A method as in claim 1 wherein said trench formed in said photoresist 2 layer has a width sigma of less than 10 nanometers up to a location where said 3 magnetic material deposition will terminate. 13. (Original) A method as in claim 1 wherein said dielectric material is alumina 1 2 (Al<sub>2</sub>O<sub>3</sub>). 14. (Original) A method as in claim 1 wherein said magnetic structure is a P3 1 2 pedestal of a magnetic pole. 15. (Original) A method as in claim 1 wherein said reactive ion mill is performed in 1 2 an atmosphere comprising CHF3.

- 1 16. (Original) A method as in claim 1 wherein said reactive ion mill is performed
  2 sufficiently to create a recess between an upper surface of said magnetic structure
  3 and an upper surface of said dielectric material.
- 1 17. (Previously presented) A method as in claim 1 wherein said reactive ion mill
  2 creates a recess between an upper surface of said magnetic layer and an upper
  3 surface of said dielectric layer wherein said recess is between .1 and .3 microns
  4 inclusive
- 1 18. (Currently amended) A method as in claim 1 wherein said reactive ion mill
  2 creates a recess between an upper surface of said magnetic layer and an upper
  3 surface of said dielectric layer wherein said recess is about .3 microns.
- 1 19. (Withdrawn) A structure formed on a magnetic write head, comprising:
  2 a magnetic structure having an upper surface and having first and second lateral
  3 sides and having a width measured between said lateral sides and having a height
  4 measured perpendicular thereto;
  5 a dielectric layer contacting said first and second lateral sides of said magnetic
  6 structure and extending laterally therefrom and having an upper surface; and
  7 wherein
  - said upper surface of said dielectric layer is recessed from said upper surface of said magnetic structure and said upper surface of said dielectric layer.

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- 1 20. (Withdrawn) A structure as in claim 19 wherein said recess is between .1 and .5
- 2 microns.
- 1 21. (Withdrawn) A structure as in claim 19 wherein said recess is about .3
- 2 microns.